



## Modularity Throughout

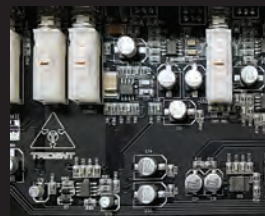
The 78's by design are manufactured to be a more cost effective variant of the fully modular 88's. Incorporating a similar chassis design and the same meter bridge, the 78's have a rugged and proven core. Using a semi-modular design the 78's are able to effectively reduce their overall costs without a significant sacrifice to serviceability.

- All input channels are individual boards, faders included, each in a 4 channel pack.
- Subgroups are individual boards, faders included, each in a 4 channel pack.
- Master Channel is an individual channel separated from all others.

## Split/Inline Console

Since the inception of this configuration by Trident Audio on the A-Range console in the late 1960's it has been adopted throughout the industry and remains a standard configuration for our consoles today.

- Dual Inputs to the channels with line and monitor inputs
- 4 Band EQ with sweeping mid bands and selectable low and high bands
- 27dB of headroom
- Selectable EQ Path
- Channel Inserts



## Microphone Preamp

The 78's incorporate the same high quality Class A Discrete preamp as the 88's. These preamps have lots of headroom and high gain fully capable of driving ribbon microphones.

- 60dB gain discrete preamp
- Balanced inputs
- Balanced inserts with full bypass
- Input Reverse Switch
- Mic/Line Switch
- Phantom Power Switch

## Powerful EQ

The 78's incorporate the iconic Series 80B console EQ as the main channel EQ throughout the console. This EQ is known throughout the industry for its musicality and ease of use.

- Selectable high bands at 8k and 12k
- Selectable low bands at 60Hz and 120Hz
- Selectable Channel Insert
- Sweeppable High and Low Mids
- 50Hz High Pass Filter



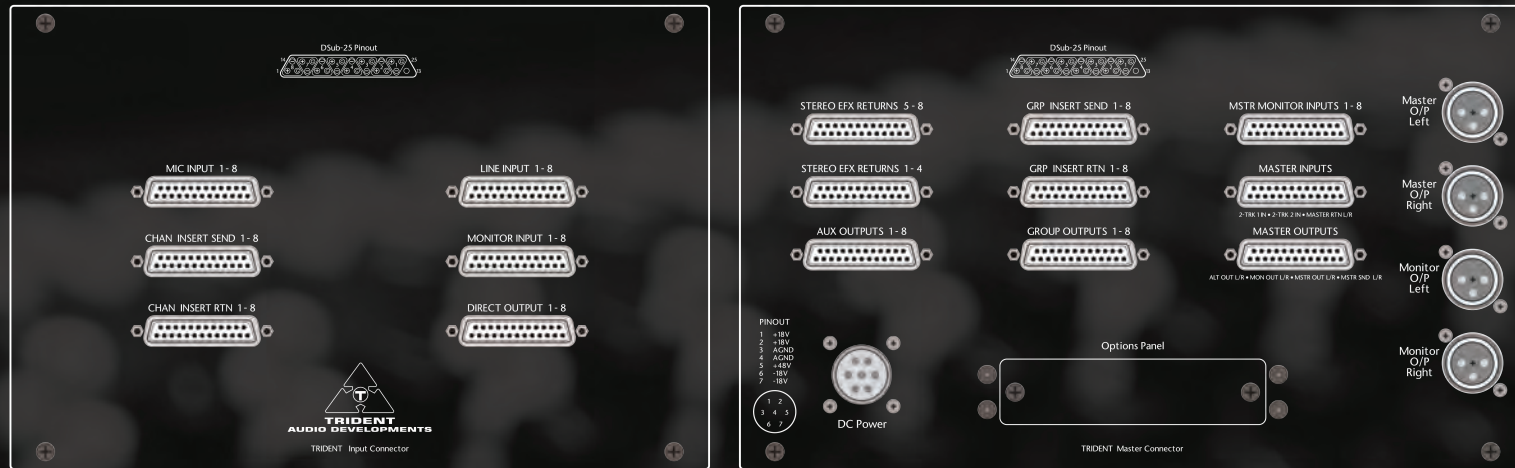
## Master Section

The master section of the 78's are laid out for ease of use and have all the necessary features to manage your monitors, talkback, and stereo returns. The 78's master section is an independent channel from the rest of console to ensure that your console's master output functions can be easily and quickly serviced with little or no downtime.

- Main & Alt Monitor Control
- 2 On board Headphone connections with Gain
- 8 Subgroups
- 8 Stereo FX Returns
- Subgroup Monitor Returns
- Subgroup Stereo FX Returns
- Onboard or External Talkback Mic
- Mute, Dim & Mono Controls
- Two 2 Track Returns
- 2 Mono and 1 Stereo AUX
- 1/8" TRS Selectable Input
- Selectable Output Transformer Option



## Trident 78 Connections



**The Trident Series 78** utilizes DB-25 connections for fast and easy configuration on the majority of the console inputs and outputs.

## Trident 78 Specifications

<b>Input Impedance</b> Microphone: Line:	>2K $\Omega$ electronically balanced >10K $\Omega$ electronically balanced	
<b>Output Impedance</b> Left/Right, Monitor O/P, Group & Auxes All other Outputs	<60 $\Omega$ (Outsmarts® Drive) <100 $\Omega$	
<b>Frequency Response</b> Mic Input to Mix Output  Line Input to Mix Output	<+0, -0.3dB 20Hz to 80KHz @ 6-40 dB gain. <0, -0.3dB 20Hz to 60KHz @ 0 dB gain.	
<b>Distortion/Noise (T.H.D +Noise) at +15dBu Output</b> Mic XLR Input to any Output (-20dBu input)  Line Input to any Output Monitor/Tape Return Input to any Output	<0.003%  <0.003% <0.003%	
<b>Noise</b> Mic EIN (20-20KHz, 150 $\Omega$ source, 60dB gain) Residual Bus Noise (Output fader at min) Bus Noise (40 inputs continually assigned) (24 Input Mon/Tape Returns, 8 EFX Returns and 8 Master Tape Returns) Bus Noise (24 inputs routed equiv. to 64 Inputs) <-77 dBu	<-128.5 dBu <-96 dBu <-83 dBu  <-77 dBu	
<b>Crosstalk</b> Adjacent Channel:  Channel Fader Mute Monitor/Tape Return Mute Mix/Bus Assign Aux to Aux	  <-95dB (20Hz to 20KHz) <-85dB (20Hz to 20KHz) <-80dB (20Hz to 20KHz) <-80dB (20Hz to 20KHz)	
<b>Maximum Input</b> Mic (XLR) Input (at min gain) Mic (1/4") Input (at min gain) Line (at min gain) Channel Insert Return All Output Insert Returns	+17dBu +42dBu +42dBu +22dBu +28dBu	
<b>Maximum Output</b> Mix, Group, Aux, Monitor Outputs Insert Send, Studio, Alt Outputs	+26.5dBu (Into 600 $\Omega$ ) +22dBu (Into 2K $\Omega$ )	
<b>Phase</b> Mic Input to Direct Out Mic In to Mix Output Line In to Mix Output Monitor/Tape Return to Mix Output	+17° to -8° 20Hz to 20KHz +25° to -17° 20Hz to 20KHz +25° to -20° 20Hz to 20KHz +15° to -20° 20Hz to 20KHz	
<b>Power Consumption</b> Total 16 Input Mixer Total 24 Input Mixer Total 32 Input Mixer	2690mA 3570mA 4450mA	

## Trident 78 Dimensions

	Width	Depth	Height
<b>8 Channel:</b>	23.370" (59.359cm)	31.199" (79.245cm)	12.23" (31.06cm)
<b>16 Channel:</b>	33.370" (84.759cm)	31.199" (79.245cm)	12.23" (31.06cm)
<b>24 Channel:</b>	43.370" (110.159cm)	31.199" (79.245cm)	12.23" (31.06cm)
<b>32 Channel:</b>	53.370" (135.559cm)	31.199" (79.245cm)	12.23" (31.06cm)
<b>Module:</b>	1.25" (3.175cm)		



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32 Channel LED Meter Bridge Option  
88 Inputs All with EQ

# Trident 78

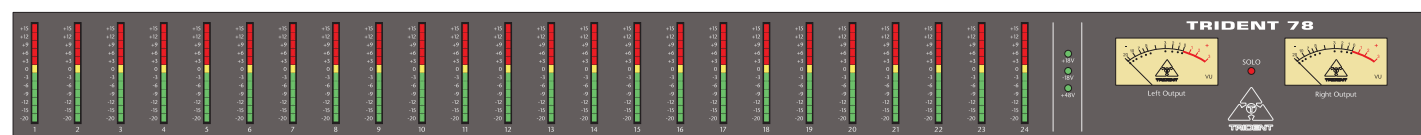
The new Series 78 all analog consoles are all Trident through and through.

The Trident Series 78 is a cost effective mixing console tailored for engineers, studio owners, educational facilities, houses of worship, and live sound applications.

The 78's are Split/Inline consoles with individual channels in 4-way panels. Using an 8 subgroup configuration and incorporating 6 Aux sends, its routing options are vast and simple to use. Connections are fast and easy with DB-25's throughout the board and XLR's for all Mic inputs.

With the 80B EQ at its core, including selectable channel inserts and discrete preamps driving the inputs, the Series 78 consoles offer a wide array of summing and mixing options. The uncompromised sonic quality and compact footprint of the 78's are able to meet any demand.

Features found throughout the 78 make for a straightforward and powerful package, but paramount to all else is The Sound. Among the many styles, preferences and methods of recording exists the expectation that a board must have the ability to be pushed hard and sound big. This is a hallmark of the series 80 consoles and the 78 carries that tradition forward.



All Trident 78 consoles come standard with an LED meter bridge, optional VU meter bridges are available (shown).



24 Channel LED Meter Bridge Option  
72 Inputs All with EQ

## History, Refined.



16 Channel VU Meter Bridge Option  
56 Inputs All with EQ



8 Channel VU Meter Bridge Option  
40 Inputs All with EQ

**Bottom line:** The Trident 78 was created with all of this in mind so that you can use it to make great sounding tracks.